

CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE LITTLE HATCHIE RIVER WATERSHED

4.1 Background.

4.2. Characterization of HUC-10 Subwatersheds

4.2.A. 0801020702 (Tuscumbia River)

4.2.B. 0801020704 (Hatchie River)

4.2.C. 0801020705 (Muddy Creek)

4.2.D. 0801020706 (Cypress Creek)

4.2.E. 0801020707 (Little Hatchie Creek)

4.1. BACKGROUND. This chapter is organized by HUC-12 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
 - ii.a. Description of facilities discharging to water bodies listed on the 2004 303(d) list
- iii. Description of nonpoint source contributions

The Tennessee portion of the Little Hatchie River Watershed (HUC 08010207) has been delineated into five HUC 10 (10-digit) subwatersheds, each of which is composed of one or more HUC-12 subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 2.0 (developed by Tetra Tech, Inc for EPA Region 4) released in 2003.

WCS integrates with ArcView® v3.x and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

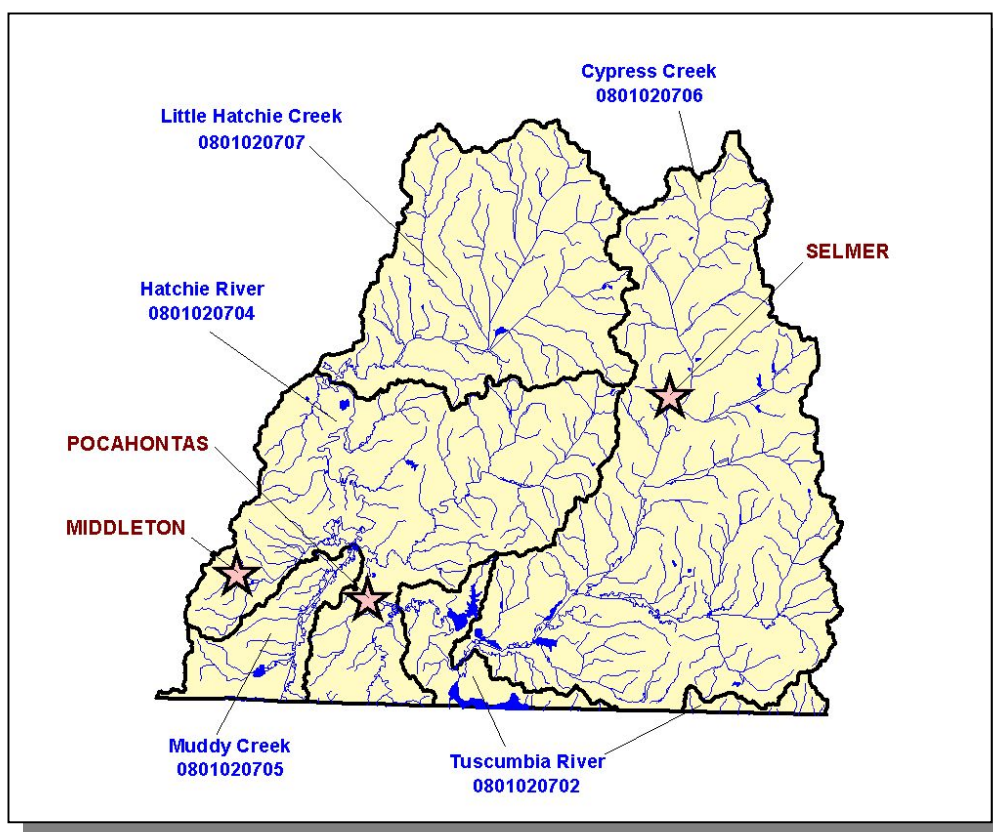


Figure 4-1. The Tennessee Portion of the Little Hatchie River Watershed is Composed of Five USGS-Delineated Subwatersheds (10-Digit Subwatersheds). Locations of Middleton, Pocahontas, and Selmer are shown for reference.

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4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Tennessee portion of the Little Hatchie River Watershed.

HUC-10	HUC-12
0801020702	080102070202 (Bridge Creek)
	080102070203 (Cain Creek)
	080102070208 (Tuscumbia Creek)
0801020704	080102070401 (Hatchie River)
	080102070408 Hatchie River)
	080102070409 (Mosses Creek)
0801020705	080102070501 (Muddy Creek)
0801020706	080102070601 (Upper Cypress Creek)
	080102070602 (Muddy Creek)
	080102070603 (Lower Cypress Creek)
0801020707	080102070701 (Upper Little Hatchie Creek)
	080102070702 (Lower Little Hatchie Creek)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.